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1 **Personality and programming: Time-sharing vs. batch preference**   ■
Jeanne M. Lee, Ben Shneiderman
January 1978 **Proceedings of the 1978 annual conference - Volume 2 ACM '78**
Publisher: ACM Press
Full text available: 📄 pdf(753.90 KB)   Additional Information: full citation, abstract, references, index terms

> Only within the past ten years has some attention been given to psychological concerns of human-machine interface. A review of the literature in this area reveals that personality has received the least attention, but interest is growing. If critical personality factors can be isolated and associated with particular programming tasks, such information could be a useful tool for education as well as management. The hypothesis of this exploratory study was that two personality dime ...

> **Keywords**: Assertive/passive, Batch processing, Locus of control, Personality, Programming, Psychology, Time sharing

2 **Systems: An architecture for anaphora resolution**   ■
Elaine Rich, Susann LuperFoy
February 1988 **Proceedings of the second conference on Applied natural language processing**
Publisher: Association for Computational Linguistics
Full text available: 📄 pdf(639.69 KB)
📄 Publisher Site   Additional Information: full citation, abstract, references, citings

> In this paper, we describe the pronominal anaphora resolution module of Lucy, a portable English understanding system. The design of this module was motivated by the observation that, although there exist many theories of anaphora resolution, no one of these theories is complete. Thus we have implemented a blackboard-like architecture in which individual partial theories can be encoded as separate modules that can interact to propose candidate antecedents and to evaluate each other's proposals.

3 **A style analysis of C programs**   ▬
R E. Berry, B A.E. Meekings
January 1985 **Communications of the ACM**, Volume 28 Issue 1
Publisher: ACM Press
Full text available: 📄 pdf(564.99 KB)   Additional Information: full citation, abstract, references, citings, index

A large quantity of well-respected software is tested against a series of metrics designed to measure program lucidity, with intriguing results. Although slanted toward software written in the C language, the measures are adaptable for analyzing most high-level languages.

4 Australasian Workshop on Health Knowledge Management and Discovery (HKMD 2007): An automated system for conversion of clinical notes into SNOMED clinical terminology
Jon Patrick, Yefeng Wang, Peter Budd
January 2007 **Proceedings of the fifth Australasian symposium on ACSW frontiers - Volume 68 ACSW '07**
Publisher: Australian Computer Society, Inc.
Full text available: pdf(294.63 KB)   Additional Information: full citation, abstract, references

The automatic conversion of free text into a medical ontology can allow computational access to important information currently locked within clinical notes and patient reports. This system introduces a new method for automatically identifying medical concepts from the SNOMED Clinical Terminology in free text in near real time. The system presented consists of 3 modules; an Augmented Lexicon, term compositor and negation detector. The Augmented Lexicon indexes the SNOMED-CT terms, the term co ...

Keywords: SNOMED-CT, concept indexing, concept mapping, information retrieval, medical terminology

5 Artificial intelligence
Elaine Rich
January 1983 Book
Publisher: McGraw-Hill, Inc.
Additional Information: full citation, abstract, references, cited by, review

The goal of this book is to provide programmers and computer scientists with a readable introduction to the problems and techniques of artificial intelligence (A.I.). The book can be used either as a text for a course on A.I. or as a self-study guide for computer professionals who want to learn what A.I. is all about.

The book was designed as the text for a one-semester, introductory graduate course in A.I. In such a course, it should be possible to cover all of the material in the boo ...

6 Experimental investigations of the utility of detailed flowcharts in programming
Ben Shneiderman, Richard Mayer, Don McKay, Peter Heller
June 1977 **Communications of the ACM**, Volume 20 Issue 6
Publisher: ACM Press
Full text available: pdf(917.31 KB)   Additional Information: full citation, abstract, references, citings

This paper describes previous research on flowcharts and a series of controlled experiments to test the utility of detailed flowcharts as an aid to program composition, comprehension, debugging, and modification. No statistically significant difference between flowchart and nonflowchart groups has been shown, thereby calling into question the utility of detailed flowcharting. A program of further research is suggested.

Keywords: debugging, experimental testing, flowcharts, human factors, modification, program composition, program comprehension

7 Cryptography and data security
Dorothy Elizabeth Robling Denning
January 1982 Book
Publisher: Addison-Wesley Longman Publishing Co., Inc.

Full text available: pdf(19.47 MB)   Additional Information: full citation, abstract, references, cited by, index terms

From the Preface (See Front Matter for full Preface)

Electronic computers have evolved from exiguous experimental enterprises in the 1940s to prolific practical data processing systems in the 1980s. As we have come to rely on these systems to process and store data, we have also come to wonder about their ability to protect valuable data.

Data security is the science and study of methods of protecting data in computer and communication systems from unauthorized disclosure ...

8 Learning Bayesian network classifiers by maximizing conditional likelihood
Daniel Grossman, Pedro Domingos
July 2004 **Proceedings of the twenty-first international conference on Machine learning ICML '04**
Publisher: ACM Press

Full text available: pdf(187.23 KB)   Additional Information: full citation, abstract, references, citings

Bayesian networks are a powerful probabilistic representation, and their use for classification has received considerable attention. However, they tend to perform poorly when learned in the standard way. This is attributable to a mismatch between the objective function used (likelihood or a function thereof) and the goal of classification (maximizing accuracy or conditional likelihood). Unfortunately, the computational cost of optimizing structure and parameters for conditional likelihood is pro ...

9 DISSERTATIONS: ABSTRACTS OF INTEREST
Susanne M. Humphrey, Ben Shneiderman
April 1992 **ACM SIGCHI Bulletin**, Volume 24 Issue 2
Publisher: ACM Press

Full text available: pdf(2.16 MB)   Additional Information: full citation, abstract

The following abstracts were selected from a computer search using the BRS Information Technologies retrieval services of the Dissertation Abstracts International (DAI) database produced by University Microfilms International.Unless otherwise specified, paper or microform copies of dissertations may be ordered, using the UM order number, from University Microfilms International, Dissertation Copies, Post Office Box 1794, Ann Arbor, MI 488106; telephone for U.S. (except Michigan, Hawaii, or Alask ...

10 Math proficiency: a key to success for computer science students
John Konvalina, Stanley A. Wileman, Larry J. Stephens
May 1983 **Communications of the ACM**, Volume 26 Issue 5
Publisher: ACM Press

Full text available: pdf(563.81 KB)   Additional Information: full citation, abstract, references, citings, index terms

A computer science aptitude predictor was administered to students enrolled in a first technical course in computer science to determine potential for success. The study revealed significant differences in the scoring between students who withdrew from the course and those students who did not. The causes for the differences all related to the students' mathematical background: high school performance, previous computer science education, and the number of college mathematics course ...

Keywords: introductory courses, placement examinations, withdrawing students

11 A simulation approach for analyzing parking space availability at a major university
John M. Harris, Yasser Dessouky
December 1997 **Proceedings of the 29th conference on Winter simulation WSC '97**
Publisher: ACM Press, IEEE Computer Society
Full text available: pdf(389.00 KB)   Additional Information: full citation, references, index terms

12 Quantitative evaluation of software quality
B. W. Boehm, J. R. Brown, M. Lipow
October 1976 **Proceedings of the 2nd international conference on Software
                    engineering ICSE '76**
Publisher: IEEE Computer Society Press
Full text available: pdf(1.44 MB)   Additional Information: full citation, abstract, references, citings, index terms

The study reported in this paper establishes a conceptual framework and some key initial results in the analysis of the characteristics of software quality. Its main results and conclusions are: • Explicit attention to characteristics of software quality can lead to significant savings in software life-cycle costs. • The current software state-of-the-art imposes specific limitations on our ability to automatically and quantitatively evaluate the quality of so ...

Keywords: Management by objectives, Quality assurance, Quality characteristics, Quality metrics, Software engineering, Software measurement and evaluation, Software quality, Software reliability, Software standards, Testing

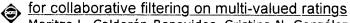13 Technical contributions: Style analysis of Pascal programs
B. A. E. Meekings
September 1983 **ACM SIGPLAN Notices,** Volume 18 Issue 9
Publisher: ACM Press
Full text available: pdf(248.32 KB)   Additional Information: full citation, references, citings

14 Information access and retrieval (IAR): A comparison of several predictive algorithms
for collaborative filtering on multi-valued ratings
Maritza L. Calderón-Benavides, Cristina N. González-Caro, José de J. Pérez-Alcázar, Juan C. García-Díaz, Joaquin Delgado
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing SAC '04**
Publisher: ACM Press
Full text available: pdf(193.01 KB)   Additional Information: full citation, abstract, references, citings, index terms

The basic objective of a predictive algorithm for collaborative filtering (CF) is to suggest items to a particular user based on his/her preferences and other users with similar interests. Many algorithms have been proposed for CF, and some works comparing sub-sets of them can be found in the literature; however, more comprehensive comparisons are not available. In this work, a meaningful sample of CF algorithms widely reported in the literature were chosen for analysis; they represent different ...

Keywords: Dependency Networks, Support Vector Machines, collaborative filtering,

memory-based models, online learning

15 Recovering branches on the tree of life: an approximation algorithm
Paul Kearney, Ming Li, John Tsang, Tao Jiang
January 1999 **Proceedings of the tenth annual ACM-SIAM symposium on Discrete algorithms SODA '99**
Publisher: Society for Industrial and Applied Mathematics
Full text available: pdf(957.72 KB)   Additional Information: full citation, references, index terms

16 A psychophysically plausible model for typicality ranking of natural scenes
Adrian Schwaninger, Julia Vogel, Franziska Hofer, Bernt Schiele
October 2006 **ACM Transactions on Applied Perception (TAP)**, Volume 3 Issue 4
Publisher: ACM Press
Full text available: pdf(744.40 KB)   Additional Information: full citation, abstract, references, index terms

Natural scenes constitute a very heterogeneous stimulus class. Each semantic category contains exemplars of varying typicality. It is, therefore, an interesting question whether humans can categorize natural scenes consistently into a relatively small number of categories, such as, coasts, rivers/lakes, forests, plains, and mountains. This is particularly important for applications, such as, image retrieval systems. Only if typicality is consistently perceived across different individuals, a gen ...

Keywords: Scene classification, image-retrieval systems, typicality

17 Edited transcription of the workshop on defeasible reasoning with specificity and multiple inheritance St. Louis, April 1989
Jennie Dorosh, Ronald P. Loui
November 1990 **ACM SIGART Bulletin**, Volume 2 Issue 1
Publisher: ACM Press
Full text available: pdf(5.58 MB)   Additional Information: full citation, citings, index terms

18 Validation, Verification, and Testing of Computer Software
W. Richards Adrion, Martha A. Branstad, John C. Cherniavsky
June 1982 **ACM Computing Surveys (CSUR)**, Volume 14 Issue 2
Publisher: ACM Press
Full text available: pdf(3.00 MB)   Additional Information: full citation, references, citings, index terms

19 Research towards a technology to support the specification of data processing system performance requirements
Edward E. Balkovich, George P. Engelberg
October 1976 **Proceedings of the 2nd international conference on Software engineering ICSE '76**
Publisher: IEEE Computer Society Press
Full text available: pdf(572.35 KB)   Additional Information: full citation, abstract, references, index terms

This paper summarizes the results of an initial investigation of a language and underlying technology for the design of Data Processing System Performance Requirements. The initial research results indicate that a technology based on Petri nets, formal logic, and

simulation can be used to describe and analyze some important aspects of data processing performance requirements. These initial language and technology concepts were successfully applied to fully describe a benchmark problem. Futu ...

Keywords: Data processing requirements, Data processing specification, Formal logic, Petri nets, Requirements language, Specification language

20 The dimensions of healthy maintenance
Robert S. Arnold, Donald A. Parker
September 1982 **Proceedings of the 6th international conference on Software engineering ICSE '82**
Publisher: IEEE Computer Society Press

Full text available: pdf(1.25 MB)   Additional Information: full citation, abstract, references, citings, index terms

What characterizes "healthy" or "satisfactory" software maintenance? How can we know it when we see it? This paper gives initial answers to these questions. We first argue the need for objectively measurable maintenance performance criteria in judging the "adequacy" of maintenance and present a set of criteria for judging maintenance performance in a particular software environment. We then subject the criteria to a practical test by applying them in this ...

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1 A psychophysically plausible model for typicality ranking of natural scenes   ▪
     Adrian Schwaninger, Julia Vogel, Franziska Hofer, Bernt Schiele
     October 2006 **ACM Transactions on Applied Perception (TAP)**, Volume 3 Issue 4
     Publisher: ACM Press
     Full text available: 📄 pdf(744.40 KB)   Additional Information: full citation, abstract, references, index terms

     Natural scenes constitute a very heterogeneous stimulus class. Each semantic category
     contains exemplars of varying typicality. It is, therefore, an interesting question whether
     humans can categorize natural scenes consistently into a relatively small number of
     categories, such as, coasts, rivers/lakes, forests, plains, and mountains. This is
     particularly important for applications, such as, image retrieval systems. Only if typicality
     is consistently perceived across different individuals, a gen ...

     Keywords: Scene classification, image-retrieval systems, typicality

2 Formal and healing: Semantics driven dynamic partial-order reduction of MPI-based   ▪
     parallel programs
     Robert Palmer, Ganesh Gopalakrishnan, Robert M. Kirby
     July 2007 **Proceedings of the 2007 ACM workshop on Parallel and distributed
                 systems: testing and debugging PADTAD '07**
     Publisher: ACM Press
     Full text available: 📄 pdf(217.53 KB)   Additional Information: full citation, abstract, references, index terms

     Most distributed parallel programs in the high performance computing (HPC) arena are
     written using the MPI library. There is growing interest in using model checking for
     debugging these MPI programs. In this context, partial-order reduction has considerable
     potential for containing state explosion, given the distributed memory nature of MPI
     programs. This potential is largely unmet. In this paper, we first define the formal
     semantics for a non-trivial subset of MPI. We then prove independence ...

     Keywords: MPI, concurrent program semantics, model checking, partial-order reduction,
     transition independence

3 Tree-oriented proofs of some theorems on context-free and indexed languages   ▪
     William C. Rounds
     May 1970 **Proceedings of the second annual ACM symposium on Theory of**

computing STOC '70
Publisher: ACM Press

Full text available: pdf(552.32 KB)   Additional Information: full citation, abstract, references, citings, index terms

In this paper we study some applications and generalizations of the yield theorem: the yield of a recognizable set of trees (dendrolanguage) is an indexed language [1]. Standard results on context-free languages can be obtained quickly using this theorem. We consider here the Peters-Ritchie theorem [4]: the language analyzable by a finite set of CS rules is CF. An extension of the yield theorem reads: the yield of a CF set of trees is an indexed language. W ...

4   Nested expansions and hardy fields

John Shackell
August 1993   **Proceedings of the 1993 international symposium on Symbolic and algebraic computation ISSAC '93**
Publisher: ACM Press

Full text available: pdf(511.23 KB)   Additional Information: full citation, references, index terms

5   Spectral analysis of data

Yossi Azar, Amos Fiat, Anna Karlin, Frank McSherry, Jared Saia
July 2001   **Proceedings of the thirty-third annual ACM symposium on Theory of computing STOC '01**
Publisher: ACM Press

Full text available: pdf(260.34 KB)   Additional Information: full citation, abstract, references, citings, index terms

Experimental evidence suggests that spectral techniques are valuable for a wide range of applications. A partial list of such applications include (i) semantic analysis of documents used to cluster documents into areas of interest, (ii) collaborative filtering --- the reconstruction of missing data items, and (iii) determining the relative importance of documents based on citation/link structure. Intuitive arguments can explain some of the phenomena that has been observed but little theoret ...

6   An abstract machine data structure for non-procedural functional models

Robert V. Zara, Kevin Rose, Ghulam Nurie, Harish Sarin
June 1985   **Proceedings of the 22nd ACM/IEEE conference on Design automation DAC '85**
Publisher: ACM Press

Full text available: pdf(498.31 KB)   Additional Information: full citation, abstract, references, index terms

This paper discusses the implementation of a non-procedural functional modeling language (FML). It describes a compiler, an abstract machine builder, an abstract machine evaluator, and a host simulator interface, which are connected through object-oriented interfaces. The abstract machine contains a representation of the electrical semantics of FML models as well as its compiled code. An event driven logic simulator paradigm is used in its evaluation. The design of the FML compiler is outli ...

7   Global value numbers and redundant computations

B. K. Rosen, M. N. Wegman, F. K. Zadeck
January 1988   **Proceedings of the 15th ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '88**
Publisher: ACM Press

Full text available: pdf(1.96 MB)   Additional Information: full citation, references, citings, index terms

8 The exact solution of systems of linear equations with polynomial coefficients

Michael T. McClellan

March 1971 **Proceedings of the second ACM symposium on Symbolic and algebraic manipulation SYMSAC '71**

Publisher: ACM Press

Full text available: pdf(1.37 MB)   Additional Information: full citation, abstract, references, citings, index terms

An algorithm for computing exactly a general solution to a system of linear equations with coefficients that are polynomials over the integers is presented. The algorithm applies mod-p mappings and then evaluation mappings, eventually solving linear systems of equations with coefficients in GF(p) by a special Gaussian elimination algorithm. Then by applying interpolation and the Chinese Remainder Theorem a general solution is obtained. For a consistent system, the evaluation-inte ...

9 A decidable temporal logic to reason about many processes

Allen Emerson, Jai Srinivasan

August 1990 **Proceedings of the ninth annual ACM symposium on Principles of distributed computing PODC '90**

Publisher: ACM Press

Full text available: pdf(1.74 MB)   Additional Information: full citation, references, citings, index terms

10 Numerical methods: Fast solvers for queueing systems with negative customers

You-Wei Wen, Wai-Ki Ching, Michael K. Ng

October 2006 **Proceedings of the 1st international conference on Performance evaluation methodolgies and tools valuetools '06**

Publisher: ACM Press

Full text available: pdf(188.94 KB)   Additional Information: full citation, abstract, references, index terms

In this paper, we are interested in solving queueing systems having Poisson batch arrivals, exponential servers and negative customers. Preconditioned Conjugate Gradient (PCG) method is applied to solving the steady-state probability distribution of the queueing system. Preconditioners are constructed by exploiting near-Toeplitz structure of the generator matrix and the Gohberg-Semumcul formula. We proved that the preconditioned system has singular values clustered around one. Therefore Conjugat ...

Keywords: Gohberg-Semencul formula, negative customer, preconditioned conjugate gradient method, preconditioners, queueing systems

11 Forum: under development: Redisplacement by design

Nicola J. Bidwell, Peter Radoll, Truna

March 2007 **interactions**, Volume 14 Issue 2

Publisher: ACM Press

Full text available: pdf(538.08 KB)   Additional Information: full citation, references, index terms

12 CATS: computer aided testing of software

Maurice Jordan

July 1991 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL '91 APL '91**, Volume 21 Issue 4

Publisher: ACM Press

Full text available: pdf(852.73 KB)   Additional Information: full citation, abstract, references, index terms

This paper describes the implementation of an automated test system for APL functions. It extends an implementation of assertive comments in APL to derive a notation for formal specification using pre and post conditions. These conditions are APL statements and so can be built into test functions. Data supplied to provide examples is captured and subjected to mutations to test behaviour under edge conditions. The techniques make extensive use of modern APL ideas such as defined operators, phrasa ...

13 A new incompleteness result for Hoare's system

Mitchell Wand
May 1976 **Proceedings of the eighth annual ACM symposium on Theory of computing STOC '76**
Publisher: ACM Press

Full text available: pdf(376.30 KB)   Additional Information: full citation, abstract, references, citings, index terms

A structure A is presented for which Hoare's formal system for partial correctness is incomplete, even if the entire first-order theory of A is included among the axioms. It follows that the language of first-order logic is insufficient to express all loop invariants. The implications of this result for program-proving are discussed.

14 Information access and retrieval (IAR): A comparison of several predictive algorithms for collaborative filtering on multi-valued ratings

Maritza L. Calderón-Benavides, Cristina N. González-Caro, José de J. Pérez-Alcázar, Juan C. García-Díaz, Joaquin Delgado
March 2004 **Proceedings of the 2004 ACM symposium on Applied computing SAC '04**
Publisher: ACM Press

Full text available: pdf(193.01 KB)   Additional Information: full citation, abstract, references, citings, index terms

The basic objective of a predictive algorithm for collaborative filtering (CF) is to suggest items to a particular user based on his/her preferences and other users with similar interests. Many algorithms have been proposed for CF, and some works comparing subsets of them can be found in the literature; however, more comprehensive comparisons are not available. In this work, a meaningful sample of CF algorithms widely reported in the literature were chosen for analysis; they represent different ...

Keywords: Dependency Networks, Support Vector Machines, collaborative filtering, memory-based models, online learning

15 Theoretical frameworks: A model for abstract process specification, verification and composition

Ziyang Duan, Arthur Bernstein, Philip Lewis, Shiyong Lu
November 2004 **Proceedings of the 2nd international conference on Service oriented computing ICSOC '04**
Publisher: ACM Press
Full text available: pdf(231.48 KB)   Additional Information: full citation, abstract, references, index terms

An abstract business process contains a description the protocol that a business process engages in without revealing the internal computation of the process. This description provides the information necessary to compose the process with other Web services. BPEL supports this by providing distinct dialects for specifying abstract and executable processes. Unfortunately, BPEL does not prevent complex computations from being included in an abstract process. This complicates the protocol descri ...

Keywords: BPEL abstract process, web services ·

16 Session 8B: Pareto envelopes in R^3 under l_1 and l_∞ distance functions

Victor Chepoi, Karim Nouioua

June 2007 **Proceedings of the twenty-third annual symposium on Computational geometry SCG '07**

Publisher: ACM Press

Full text available: pdf(295.37 KB)   Additional Information: full citation, abstract, references, index terms

Given a vector objective function $f = (f_1,...,f_n)$ defined on a set X, a point $y \in X$ is *dominated* by a point $x \in X$ if $f_i(x) < f_i(y)$ forall $i \in (1,...,n)$ and there exists an index $j \in (1,...,n)$ such that $f_j(x) < f_j(y)$. The non-dominated pointsof X are called the *Pareto optima* of f. H. Kuhn(1973) applied the concept of Pareto optimality to distancefunctions and characterized the convex hull con ...

Keywords: Pareto envelope, algorithm, dominance, l_1- and l_{inf}-distance

17 Web technologies and applications (WTA): Semantic enrichment for improving systems interoperability
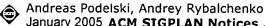
Xiaomeng Su, Sari Hakkarainen, Terje Brasethvik

March 2004 **Proceedings of the 2004 ACM symposium on Applied computing SAC '04**

Publisher: ACM Press

Full text available: pdf(875.45 KB)   Additional Information: full citation, abstract, references, index terms

The overall goal addressed in this paper is to improve semantic interoperability in heterogeneous systems by means of establishing mappings between relevant domain ontologies. The mappings are discovered based on the technique of semantic enrichment through extension analysis, i.e. using instance information of the ontology to enrich the original ontology and further to calculate similarities between concepts in two ontologies. Text categorization is used to automatically assign instance to the ...

18 Transition predicate abstraction and fair termination

Andreas Podelski, Andrey Rybalchenko

January 2005 **ACM SIGPLAN Notices , Proceedings of the 32nd ACM SIGPLAN-SIGACT symposium on Principles of programming languages POPL '05**, Volume 40 Issue 1

Publisher: ACM Press

Full text available: pdf(267.88 KB)   Additional Information: full citation, abstract, references, index terms

Predicate abstraction is the basis of many program verification tools. Until now, the only known way to overcome the inherent limitation of predicate abstraction to safety properties was to manually annotate the finite-state abstraction of a program. We extend predicate abstraction to *transition predicate* abstraction. Transition predicate abstraction goes beyond the idea of finite *abstract-state* programs (and checking the absence of loops). Instead, our abstraction algorithm transf ...

Keywords: fair termination, liveness, software model checking, transition predicate abstraction

19 Artificial intelligence

Elaine Rich

January 1983 Book

Publisher: McGraw-Hill, Inc.

Additional Information: full citation, abstract, references, cited by, review

> The goal of this book is to provide programmers and computer scientists with a readable introduction to the problems and techniques of artificial intelligence (A.I.). The book can be used either as a text for a course on A.I. or as a self-study guide for computer professionals who want to learn what A.I. is all about.
>
> The book was designed as the text for a one-semester, introductory graduate course in A.I. In such a course, it should be possible to cover all of the material in the boo ...

20 Learning Bayesian network classifiers by maximizing conditional likelihood

Daniel Grossman, Pedro Domingos

July 2004 **Proceedings of the twenty-first international conference on Machine learning ICML '04**

Publisher: ACM Press

Full text available: pdf(187.23 KB)   Additional Information: full citation, abstract, references, citings

> Bayesian networks are a powerful probabilistic representation, and their use for classification has received considerable attention. However, they tend to perform poorly when learned in the standard way. This is attributable to a mismatch between the objective function used (likelihood or a function thereof) and the goal of classification (maximizing accuracy or conditional likelihood). Unfortunately, the computational cost of optimizing structure and parameters for conditional likelihood is pro ...

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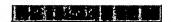- Run a search

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